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(54) PARALLEL OPERATION DEVICE FOR FUEL  
CELL POWER PLANT

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(57) Abstract:

PURPOSE: To enable the parallel operation of specific load to be carried out.

CONSTITUTION: An electric control device 13 allows active electric energy and reactive electric energy to follow the quantity of load allotment, and generates PWM signals in such a way that an orthogonal transformer 10 forces each plant to establish the a.c. wave form output in an identical shape to specific load. A load allotment control means 15 assigns one master plant based on the operation and suspension condition of each plant and a rule determined in advance, and also assigns remainders to a slave plant, and concurrently determines the quantity of load allotment based on the power requisition of the specific load and the number of machines in operation in each plant. A synchronized signal switching means 16 outputs a synchronized signal to be synchronized with the a.c. output of your plant when your plant is assigned to the master plant, and meanwhile takes in the synchronized signal of the master plant when your plant is assigned to the slave plant.

